

*Insc17*  
**Claims**

1. A method of trace activation in a mobile communications system, wherein a mobile station (MS) is in communication with the mobile communications network, whereby a trace report is generated for a mobile station (MS), characterized in that the method includes the following steps:
  - a communication from a mobile station (MS) is directed to a pre-defined trace activation number and tracing is activated for the communicating mobile station (MS).
- 10 2. A method according to claim 1, characterized in that the method further includes the steps of:
  - a call from the mobile station (MS) is directed to the predefined trace activation number, tracing is activated for the calling mobile station (MS), and tracing is deactivated when the call is ended.
- 15 3. A method according to claim 1, characterized in that the method further includes the steps of:
  - a message from the mobile station (MS) is directed to the predefined trace activation number and tracing is activated for the said mobile station (MS).
- 20 4. A method according to claim 3, characterized in that the method further includes the step of:
  - tracing is deactivated when a preset time period is elapsed.
- 25 5. A method according to claim 3, characterized in that the method further includes the step of:
  - tracing is deactivated when a second message from the mobile station (MS) is directed to the predefined trace activation number.
- 30 6. A method according to claim 1, characterized in that the method further includes the step of:
  - defining at least one said trace activation number.
- 35 7. A method according to claim 1 or 2, characterized in that the call is made to a predefined trace activation number.  
*Insc27*
- 40 8. A method according to claim 1 or 2, characterized in that the call is forwarded to a predefined trace activation number.  
*cont.*

*a*  
*C2*  
*R Cond.* 5  
*a*  
9. A method according to claim 1, 2 or 3, characterized in that the method further includes the following step:

tracing is activated and deactivated automatically at the switching center (MSC).

10. A method according to claim 1, 2 or 3, characterized in that subscriber tracing is activated for the communicating mobile station (MS).

11. A method according to claim 1, 2 or 3, characterized in that equipment tracing is activated for the communicating mobile station 10 (MS)

Add  
D3  
Add S11